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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/737,206	12/15/2003	Xiaoling Fang	SNX-0036	6921
7590 11/18/2004		•	EXAMINER	
David Ritchie			DABNEY, PHYLESHA LARVINIA	
Thelen Reid & Priest LLP P.O. Box 640640			ART UNIT	PAPER NUMBER
San Jose, CA 95164-0640			2643	<u>-</u>
			DATE MAILED: 11/18/200	4

Please find below and/or attached an Office communication concerning this application or proceeding.



		Application No.	Applicant(s)			
Office Action Comments		10/737,206	FANG ET AL.			
	Office Action Summary	Examiner	Art Unit			
		Phylesha L Dabney	2643			
Period fo	The MAILING DATE of this communication Reply	on appears on the cover sheet wi	th the correspondence address			
THE - External form of the control o	ORTENED STATUTORY PERIOD FOR IMAILING DATE OF THIS COMMUNICAT insions of time may be available under the provisions of 37 SIX (6) MONTHS from the mailing date of this communicate period for reply specified above is less than thirty (30) day to period for reply is specified above, the maximum statutory are to reply within the set or extended period for reply will, by the preply received by the Office later than three months after the patent term adjustment. See 37 CFR 1.704(b).	CION. CFR 1.136(a). In no event, however, may a retion. s, a reply within the statutory minimum of thirt period will apply and will expire SIX (6) MON y statute, cause the application to become AB	eply be timely filed y (30) days will be considered timely. THS from the mailing date of this communication. ANDONED (35 U.S.C. § 133).			
Status						
•	1)					
Dispositi	ion of Claims					
5)□ 6)⊠ 7)□	Claim(s) 1-23 is/are pending in the application of the above claim(s) 1 is/are withdrated claim(s) is/are allowed. Claim(s) 2-23 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction	awn from consideration.				
Applicati	ion Papers					
10)	The specification is objected to by the Ex The drawing(s) filed on is/are: a)[Applicant may not request that any objection Replacement drawing sheet(s) including the The oath or declaration is objected to by	☐ accepted or b)☐ objected to to the drawing(s) be held in abeyar correction is required if the drawing	ce. See 37 CFR 1.85(a). (s) is objected to. See 37 CFR 1.121(d).			
Priority (ınder 35 U.S.C. § 119					
12) [a)	Acknowledgment is made of a claim for f All b) Some * c) None of: 1. Certified copies of the priority doce 2. Certified copies of the priority doce 3. Copies of the certified copies of the application from the International I	uments have been received. uments have been received in A e priority documents have been Bureau (PCT Rule 17.2(a)).	pplication No received in this National Stage			
2) Notice	t(s) se of References Cited (PTO-892) se of Draftsperson's Patent Drawing Review (PTO-9 mation Disclosure Statement(s) (PTO-1449 or PTO r No(s)/Mail Date <u>7/12/04</u> .	48) Paper No(s	rummary (PTO-413) s)/Mail Date nformal Patent Application (PTO-152) 			

Art Unit: 2643

DETAILED ACTION

This action is in response to the application filed on 15 December 2003 in which claim 2 was cancelled and claims 2-23 are pending.

Double Patenting

The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. See *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970);and, *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent is shown to be commonly owned with this application. See 37 CFR 1.130(b).

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

Claims 2-23 are rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-24 of U.S. Patent No. 6,480,610. Although the conflicting claims are not identical, they are not patentably distinct from each other because the limitations of the claims in the present application are covered by the scope of the claims in the patent with obvious wording variations.

Regarding the claims, Fang '610 teaches an acoustic feedback cancellation apparatus comprising: an analysis filter, a plurality of subtractors, a plurality of digital signal processors, a synthesis filter, and narrow-band training and tracking filters which read on the components associated with the acoustic feedback cancellation loop which are examples of obvious wording variations of the present applications. Fang also teaches an analog to digital converter for

Art Unit: 2643

converting an audio signal to a digital signal, which isn't taught by the present application.

However, it is inherent that an analog to digital converter would be used in the application for

converting audio signals to digital signal for adaptation in the digital signal processor. He also

teaches the use of a secondary synthesis filter to split the processed wideband signal necessary

for producing the plurality of signals input into the corresponding subtractor.

Conclusion

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Phylesha L Dabney whose telephone number is 703-306-5415.

The examiner can normally be reached on Mondays, Tuesdays, Wednesdays, Fridays 8:30-4 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Curtis Kuntz can be reached on 703-305-4708. The fax phone number for the

organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

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November 10, 2004

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